AMENDMENTS TO THE CLAIMS

The following claim set replaces all prior versions, and listings, of claims in the application:

- 1. (currently amended) A method of treating pulp <u>such as</u> i.e. fiber suspensions of the paper and wood processing industry, <u>by which</u> <u>said</u> method <u>comprising the steps</u> <u>of:</u>
 - introducing a low consistency pulp is taken into a pre-thickener apparatus having a filter surface and a cleaning member,
 - removing liquid is removed from the pulp in said pre-thickener apparatus essentially by means of the effect of the feeding pressure of the pre-thickener apparatus,
 - <u>allowing</u> a layer of thickened pulp is allowed to be formed on the filter surface of the pre-thickener apparatus,
 - wiping said layer of thickened pulp is wiped off the filter surface of said pre-thickener apparatus with a the cleaning member, and
 - discharging the thickened pulp and the filtrate are discharged from said

 pre-thickener apparatus, and wherein said method further

 comprises the steps of; characterized in that
 - <u>pushing</u> the layer of thickened pulp is <u>pushed</u> by said cleaning member along said filter surface to the discharge end of the <u>pre-thickener</u> apparatus in essentially <u>an</u> axial direction, <u>while simultaneously</u>
 - <u>allowing at the same time</u> the essentially non-thickened pulp is allowed to flow through the apparatus from the feeding end to the discharge end via the space between said cleaning member and the <u>a</u> shaft of the apparatus, and

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guiding a part of said essentially non-thickened pulp flow is guided to a portion of the filter surface portion being wiped by the cleaning member.

- 2. (currently amended) A method according to claim 1, <u>comprising supplying</u> characterized in that pulp is taken into to said pre-thickener <u>apparatus</u> from a screen, the screening consistency of which is about 2 4 %.
- 3. (currently amended) A method according to claim 1, wherein characterized in that the pulp thickened by the pre-thickener apparatus is taken into a filter, the feeding consistency of which is 3-6 %.
- 4. (currently amended) A method according to claim 2, characterized in that wherein between the screen and the filter the consistency of the pulp is raised by said pre-thickener by 1-4 %.
- 5. (currently amended) A method according to claim 1, characterized in that comprising rotating the rotational speed of said cleaning member at a rotational speed sufficient is such as to create a flow speed for the thickened layer of pulp a speed of less than 3 m/s towards the discharge end of the pre-thickener apparatus.
- 6. (currently amended) A method according to claim 5, characterized in that wherein said <u>flow</u> speed <u>of the thickened layer of pulp</u> is between 0.2-1.0 m/s, preferably about 0.5 m/s.
- 7. (currently amended) A method according to claim 1, characterized in that wherein the cleaning member comprises a rotatable screw, and wherein the feeding speed of the screw and the flow speed of the non-thickened pulp are essentially the same at the discharge end of the apparatus.

- 8. (currently amended) A method according to claim 1, <u>further comprising using</u> a <u>pump so as to create</u> characterized in that the feeding pressure of the <u>pre-thickener</u> apparatus is created by means of a <u>pump</u>.
- 9. (currently amended) A method according to claim 1, characterized in that further comprising controlling the thickening of the pulp by is controlled with valves regulating the flow of incoming pulp, filtrate and/or thickened material pulp with valves.
- 10. (currently amended) A method according to claim 1, characterized in that further comprising regulating the flow speed of the pulp in the <u>pre-thickener</u> apparatus is regulated by means of valves for the filtrate and/or the thickened material <u>pulp</u>.
- 11. (currently amended) A method according to claim 9, characterized in that further comprising regulating the consistency of the thickened pulp is regulated to the a desired value by changing a the flow amount ratio of between the thickened pulp and the filtrate.
- 12. (currently amended) A method according to claim 9, characterized in that further comprising regulating the consistency of the thickened pulp is regulated to the a desired value by changing a the flow amount ratio of between the low consistency pulp to be thickened and the filtrate.
- 13. (currently amended) A method according to claim 9, characterized in that said regulation wherein said step of controlling the thickening of the pulp is practiced controlled on the basis of the input power or input torque of said cleaning member.
- 14. (currently amended) A method according to claim 9, characterized in that said regulation wherein said step of controlling the thickening of the pulp is practiced by maintaining a constant pressure difference over the filter surface.

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- 15. (currently amended) A method according to claim 9, characterized in that said regulation wherein said step of controlling the thickening of the pulp is practiced controlled on the basis of an impulse from a previous or later process stage.
- 16. (currently amended) A method according to claim 9, characterized in that said regulation wherein said step of controlling the thickening of the pulp is practiced controlled by changing the rotational speed of the cleaning member.
- 17. (currently amended) A method according to claim 1, characterized in that further comprising using said filtrate is used for dilution in a previous process stage.
- 18. (currently amended) A method according to claim 1, characterized in that <u>further comprising using</u> said filtrate is used for dilution in the same process stage.
- 19. (currently amended) A method according to claim 1, characterized in that further comprising separating fibers are separated from said filtrate by a fiber separating means prior to reusing the filtrate.

20 - 25. (Canceled)